

TERRA NITROGEN CORPORATION -- METHANOL -- 6810-00-687-8056

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Product Identification
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Product ID:METHANOL

MSDS Date:12/01/1994

FSC:6810

NIIN:00-687-8056

MSDS Number: CDKPY

=== Responsible Party ===

Company Name:TERRA NITROGEN CORPORATION

Address:WOODWARD COMPLEX, 1000 TERRA DR.

City:WOODWARD

State:OK

ZIP:73801

Country:US

Info Phone Num:405-256-8651(CHEMTREC)

Emergency Phone Num:800-424-

9300(CHEMTREC)

CAGE:LO822

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:TERRA NITROGEN CORPORATION

Address:WOODWARD COMPLEX, 1000 TERRA DR.

Box:City:WOODWARD

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ZIP:73801

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Composition/Information on Ingredients
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Ingred Name:METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)

CAS:67

-56-1
RTECS #:PC1400000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 200 PPM
ACGIH TLV:S,200PPM/250STEL; 96
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50:9100MG/KG IN RATS.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LIQ/VAP CAN PENETRATE SKIN/MUCOUS
MEMBRANE THERFORE CONTROL OF I
NHAL MAY NOT BE SUFFICIENT TO TPEVNET
EXCESSIVE DOSE.HARMFUL IF INHAL/ABSORBED THRU SKIN,CAUSES DMG TO
LIVER/KIDNEY/NERVOUS SYST.CAUSES EYE/SKIN/NOSE/THROAT IRRIT.MAY BE
FATAL/CAUSE BLINDNESS IF SWALLOWED.CAN'T BE MADE NON-POISONOUS.
Explanation of Carcinogenicity:PER MSDS:LISTED AS CARCINOGEN
IN:IARC/NTP/OSHA:NO.
Effects of Overexposure:ACUTE:NON-SPEC DISCOMFT(NAU,WEAK),TEMP CNS
DEPRESS W/ANETHETIC
EFFECTS(DIZZ,HEAD,CONFUSION,INCOORD,UNCONSC),BLINDNESS.HIG
EXPO:ABNO
R LIVER/KIDNEY FUNCTION DETECTED BY LAB TEST,FATALITY FROM
GROSS EXPO .INGEST(AS LITTLE AS 60ML)MAY CAUSE
BLINDNESS,FATALITY.SKIN PERMEATION CAN OCCUR IN AMTS-PRODUCES SYS
TOXICITY.
Medical Cond Aggravated by Exposure:INDIVIDUALS W/PRE-EXISTING DISEASES
OF RETINA OR LIVER MAY HAVE INCREASED SUSCEPTIBILITY TO TOXICITY OF
EXCESSIVE EXPOSURES.

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First Aid Measures
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First Aid:EYE:FLUSH IMMED/THOROUGHLY FOR 15MINS W/WATER.IRRIT PERS
ISTS
GET MED ATTN.SKIN:IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS
WHILE REMOVING CONTAMIN CLOTH/SHOES.CALL DR.INHAL:IMMED MOVE TO
FRESH AIR .NOT BREATHING GIVE ART RESP;BREATHING DIFFICULT GIVE
OXY.CALL DR.INGEST:AS LITTLE AS 60ML MAY CAUSE
BLINDNESS/FATALITY.IMMED GIVE 2 GLASSES OF WATER.INDUCE VOMIT.CALL
DR.NEVER GIVE ANYTHING (SUPPLEM)

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Fire Fighting Measures
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Flash Point Method:TCC
Flash Point:51.8F,11.0C
Lower Limits

:6

Upper Limits:36

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CO2, "ALCOHOL" FOAM.

Fire Fighting Procedures:EVACUATE AFFECTED AREA,STAY UPWIND,AVOID SMOKE/FUMES.USE WATER SPRAY TO COOL CNTNRS.IF SMOKE/FUMES CAN'T BE AVOIDED WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FLAMM LIQ.FLAME INVISIBLE IN DAYLIGHT.METHANOL-WATER MIX WILL BURN UNLESS VERY DILUTE;MIXTURES W/25%/1,BUTYL ACETATE=1.0.

Solubility in Water:100%,COMPLETE.

Appearance and Odor:LIQUID, COLORLESS OR CLEAR, FAINT ALCOHOLIC.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

DON'T STORE OR MIX W/STRONG OXIDIZERS,CHRONIC ANHYDRIDE,LEAD PERCHLORATE,OR PERCHLORIC ACID(RXS VIGOROUSLY).

Stability Condition to Avoid:KEEP AWAY FROM HEAT/SPARKS/FLAME.

Hazardous Decomposition Products:OCCURS FROM HEAT & REACTION W/ABOVE STATED MATERIALS.

===== Disposal Considerations =====

Waste Disposal Methods:RQ:5000LBS/2270KG.TOXIC CHEM UNDER SEC 313 TITLE III OF SARA/40CFR372.CMPD HAS VERY LOW AQU TOXICITY.CLEANED UP MATL MAY BE RCRA HAZ WASTE.RCRA HAZ WASTE #:U154.COMPLY W/FED/STATE/LOCAL REGS ON DISPO.I F APPROVED INCINERATION,BIO-OXIDATION,(OTHER PREC)

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